

|                                     |     |     |     |     |     |
|-------------------------------------|-----|-----|-----|-----|-----|
| 5' CGA ACT CAC GGC GCG CTC          | 18  | 27  | 36  | 45  | 54  |
| M E L S E S V Q K G F               |     |     |     |     |     |
| CAG ATG CTG GCG GAT CCC             | 72  | 81  | 90  | 99  | 108 |
| Q M L A D P R S F D S N A F T L L L |     |     |     |     |     |
| CGG GCG GCA TTC CAG AGT CTG         | 126 | 135 | 144 | 153 | 162 |
| R A A F Q S L L D A Q A D E A V L D |     |     |     |     |     |
| CAT CCA GAC TTG AAA CAT ATC         | 180 | 189 | 198 | 207 | 216 |
| H P D L K H I D P V V L K H C H A A |     |     |     |     |     |
| GCT GCA ACT TAC ATA CTA GAC         | 225 | 234 | 243 | 252 | 270 |
| A A T Y I L E A G K H R A D K S T L |     |     |     |     |     |
| AGC ACT TAT CTA GAA GAC TGT         | 279 | 288 | 297 | 306 | 324 |
| S T Y L E D C K F D R E R I E L F C |     |     |     |     |     |
| ACG GAA TAT CAG AAT AAT TCC         | 333 | 342 | 351 | 360 | 378 |
| T E Y Q N N K N S L E I L L G S I G |     |     |     |     |     |

FIGURE 1A

|                                     |   |     |     |     |
|-------------------------------------|---|-----|-----|-----|
| 387                                 | AGA TCT CTC CCT CAT ATA ACG GAT GTT TCT TGG CGC                         | 414 | 423 | 432 |
| R S L P H I T D V S W R L E Y Q I K |   |     |     |     |
| 441                                 | ACC AAT CAA CTT CAT AGG ATG TAC AGA CCT GCA TAT TTG GTG ACC TTA AGT GTA | 468 | 477 | 486 |
| T N Q L H R M Y R P A Y L V T L S V |   |     |     |     |
| 495                                 | CAG AAC ACT GAT TCC CCA TCC TAT CCA GAG ATT AGT TTT AGT TGC AGC ATG GAA | 522 | 531 | 540 |
| Q N T D S P S Y P E I S F S C S M E |   |     |     |     |
| 549                                 | CAA TTA CAG GAC TTG GTG GGG AAA CTT AAA GAT GCT TCG AAA AGC CTG GAA AGA | 576 | 585 | 594 |
| Q L Q D L V G K L K D A S K S L E R |   |     |     |     |
| 603                                 | GCA ACT CAG TTG TAA CTT GGG GAA GTT AAC GAT CCG CCC GAG TGC AGA GGA AAA | 630 | 639 | 648 |
| A T Q L                             |   |     |     |     |
| 657                                 | CCA GAA ACG CCT TGC CTT CAG CTG AAC CAC CGT TTG TGC GAG CTG GAT GTC CTT | 684 | 693 | 702 |
|                                     |   |     |     |     |
| 711                                 | TTC AGT AGA AAA GAA TTT TCC TTT TGA ATT TAT ACC ATT CAN CAA TTT T 3'    | 729 | 738 | 747 |

FIGURE 1B

|     |        |        |        |         |         |         |       |      |           |
|-----|--------|--------|--------|---------|---------|---------|-------|------|-----------|
| 1   | MELSES | VQKGFQ | MLADPR | SFDSNA  | FTLL    | RAAFQ   | SLLD  | AAQ  | 2267574   |
| 1   | MELSES | VQRGIT | QLADP  | GSFDSNA | FA      | LLRAAF  | QSLLD | AR   | GI 265569 |
| 41  | ADEAVL | DHPDL  | KHIDP  | VVLK    | HCHAAAA | TYI     | LEAG  | KHRA | DK        |
| 41  | ADEA   | ALDHP  | YLYL   | KQIDP   | VVLK    | HCHAAAA | T     | C    | I         |
|     |        |        |        |         |         |         |       |      | 2267574   |
|     |        |        |        |         |         |         |       |      | GI 265569 |
| 81  | STLSTY | LEDC   | KFRERI | ELFC    | TEYQNN  | KNSLE   | ILLG  | SI   | GR        |
| 81  | STLSTY | LEDC   | KFRERI | ELFC    | TEYQNN  | KNSLE   | T     | LLG  | SI        |
|     |        |        |        |         |         |         |       |      | 2267574   |
|     |        |        |        |         |         |         |       |      | GI 265569 |
| 121 | SLPHIT | DVSWR  | LEYQIK | TNQ     | LHRRMY  | RPAY    | LV    | T    | LSV       |
| 121 | SLPHIT | DVSWR  | LEYQIK | TNQ     | LHRRMY  | RPAY    | LV    | T    | LSV       |
|     |        |        |        |         |         |         |       |      | 2267574   |
|     |        |        |        |         |         |         |       |      | GI 265569 |
| 161 | PSYP   | EISF   | SCSME  | QLQ     | DLVG    | KLK     | DA    | SKS  | LERA      |
| 161 | Q      | SY     | PEIN   | FS      | CNME    | QLQ     | DLVG  | KLK  | DA        |
|     |        |        |        |         |         |         |       |      | 2267574   |
|     |        |        |        |         |         |         |       |      | GI 265569 |

FIGURE 2

FIGURE 3B